21052
S/020/61/138/004/013/023
Complexes of diphenyl ethylene with tin... B103/B203

Soviet-bloc. The 4 references to English-language publications read as follows: Ref. 1: P. H. Plesh, Cationic Polimerisation and Related Complexes, London, 1953; Ref. 6: N. Shappard, D. M. Simpson, Quart. Rev., 6, 1 (1952); Ref. 8: A. G. Evans et al., J. Chem. Soc., 2975, 1957, 105; 1956, 2757; 1955, 1524; Ref. 9: G. E. Coates, L. E. Sunou, J. Chem. Soc., 1942, 567.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

SUBMITTED: December 23, 1960

X

Card 5/5

VIKTOROVA, L.

At the Lenin Plant. Za rul. 20 no.4:9 Ap '62. (MIRA 15:5)
(Moscow—Electric equipment industry)

VIKTOROVA, L.

The first expert driver. Za rul. 20 no.3:9 Mr '62. (MIRA 15:3)
(Automobile racing)

VIKTOROVA, Liudmila

Patent information and technical progress. Ratsionalizatsiia 14 no.11:4-6 '64.

VIKTOROVA, L.L.

"Early State of the Ethnogenesis of the Mongols."

the following dissertations were defended in the Institue of Archeology, Canidate of Historical Sciences.

Vestnik Akad Nauk, No.4, 1963, pp. 119-145

USSR / Forestry. Forest Cultures. K

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29595.

Author : Viktorova, L. S.
Inst : Stalingrad Agricultural Institute.
Title : An Investigation Into the Growth and Development of the Small-Leaved Elm and the Pedunculate Oak with Different Watering Systems at the Arshan'-Zel'mensk Hospital of the Academy of Sciences USSR.

Orig Pub: Sb. nauchn. rabot stud. Stalingr. s.-kh. in-ta, 1956, vyp. 2, 85-90.

Abstract: No abstract.

Card 1/1

VIKTOROVA, V.T.

VIKTOROVA, V.T., ordinator

Treatment of tuberculosis of the eye with phthivazid. Vest.oft. 69 no.4:21-25 Jl-Ag '56. (MLRA 10:9)

1. Iz glaznoy kliniki (dir. - chlen-korrespondent AMN SSSR prof. V.N.Arkhangel'skiy) I Moskovskogo ordena Lenina meditsinskogo instituta.

(ISONIAZID, ther. use
tuberc., ocular)
(TUBERCULOSIS, OCULAR, ther.
isoniazid)

VIKTOROVA, I.

Women in Albania

Warm regards to our soviet sisters. I. Viktorova. Rabotnitsa No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952, UNCLASSIFIED

VIKTOROVA, L. L.

BORISKOVSKIY, P.I.; YEFIMENKO, P.P., otvetstvennyy redaktor; VIKTOROVA, L.L., redaktor izdatel'stva; KRUGLIKOVA, N.A., tekhnicheskiy redaktor

[Man in remotest antiquity] Drevneishee proshloe chelovechestva. Moskva, Izd-vo Akad.nauk SSSR, 1957. 221 p. (MIRA 10:8)
(Anthropology)

VIKTOROVA, Liudmila

The rationalization and innovation movement grows and becomes stronger in our Bulgarian socialist fatherland. Ratsionalizatsiia 13 no.1:7-9 '63.

VIKTOROVA, M.F., nachal'nik otdela podgotovki proizvodstva fabriki.

New conveyer at the Kl.TSetkin clothing factory. Leg.prom. 7 no.9:15-17 Ag '47. (MLRA 6:11)

(Clothing industry)

KOTOVA, A.V.; VIKTOROVA, M.Ye.

Oils containing gallium and germanium in the Emba region.
Geokhimiia no.11:1370-1372 N '65. (MIRA 19:1)

1. Institut khimii nefti i prirodnykh soley AN KazSSR, Gur'yev.
Submitted December 14, 1964.

VIKTOROVA, M.Ye.; KOTOVA, A.V.

Colorimetric determination of boron, bormine, iodine, and phosphate-ions in highly mineralized waters of the Emba region. Trudy Inst. nefti AN Kazakh.SSR 4:171-174 '61. (MIRA 16:4)
(Emba region--Mineral waters--Analysis) (Colorimetry)

VIKTOROVA, M.Ye.; KOTOVA, A.V.

Barium and strontium contents in oil field waters of the Emba region.
Trudy Inst. nefti AN Kazakh.SSR 4:175-178 '61. (MIRA 16:4)
(Emba region—Oil field brines--Analysis)

TERENT'YEV, A.P.; RUKHADZE, Ye.G.; PANOVA, G.V.; VIKTOROVA, N.M.

Chelate compounds with optically active ligands. Part 4: Copper and nickel chelates with hydroxynaphthaldimine and hydroxyketimines. Zhur. ob. khim. 35 no.6:1104-1110 Je '65. (MIRA 18:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

L 61480-65 EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 JAJ/RM

ACCESSION NR: AP5016413

UR/0079/65/035/006/1104/1110

541.49: 547.415.3

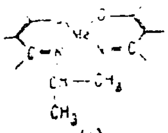
AUTHOR: Terent'yev, A.P.; Rukhadze, Ye. G.; Panova, G.V.; Viktorova, N.M.

TITLE: Chelates with optically active ligands. Part 4. Chelates of copper and nickel with hydroxynaphthaldimine and hydroxyketimines

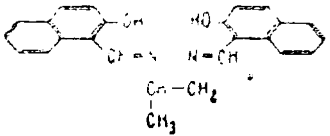
SOURCE: Zhurnal obshchey khimii, v. 35, no. 6, 1965, 1104-1110

TOPIC TAGS: copper organic compound, nickel organic compound, chelate, complex compound, optically active ligand, steric hindrance, Schiff base, molecular rotation

ABSTRACT: The aim of this study was to determine the effect of steric factors and of the character of the aldehyde and ketone components on the rotatory dispersion of the corresponding chelates. The following compounds were synthesized: bis (β-hydroxy-α-naphthal)-(-)-propylenediimine (VIIa), bis(α-hydroxy-β-acetonaphthon)-(-)-propylenediimine (VIIIa), and bis (acetylacetone)-(-)-propylenediimine (IXa).



(A)

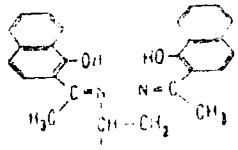


(VIIa)

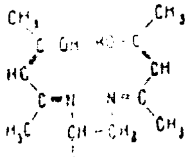
Card 1/3

L 61480-65

ACCESSION NR: AP5016413



(VIIIa)



(IXa)

From these Schiff bases, copper chelates (VIIa Cu, VIIIa Cu, IXa Cu) and nickel chelates (VIIa Ni, VIIIa Ni, IXa NI) containing the same chelate unit (A) were obtained. Rotatory dispersion curves and absorption spectra in dimethylformamide were recorded for all the Schiff bases and chelates and their interpretation is given. it was found that a change in ligand (from benzene derivatives to naphthalene and acetylacetone derivatives) was reflected in the absolute value of the molecular rotation, and also caused slight shifts in the characteristics' peaks and troughs on the rotatory dispersion curves along the wave length axis; however, the shape of these curves remained largely unchanged because the basic chelate unit, which determines the character of the rotation, remained the same. The increase in molecular rotation in

Card 2/3

L 61480-65

ACCESSION NR: AP5016413

passing from aldehyde to ketone derivatives is apparently due to steric hindrance, which disrupts the coplanarity of the molecules. Orig. art. has: 4 figures, 1 table and 4 formulas.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova (Moscow State University)

SUBMITTED: 17Feb64 ENCL: 00 SUB CODE: OC

NO REF SOV: 004 OTHER: 006

Card 3/3

L 1[illegible]151-65 EWT(m)/EWP(j) Pa-4 ESD(gs)/RAEM(a)/ESD-3 RM

ACCESSION NR: AP4046178 S/0079/64/034/009/3025/3028

AUTHORS: Terent'yev, A.P.; Rukhadze, Ye.G.; Panova, G.V.; Viktorova, N.M.

TITLE: Chelates with optically active ligands. III. Bis-(o-oxyacetophenone l-(-)propylenediimine and its chelates with copper, nickel and cobalt (+2)

SOURCE: Zhurnal obshchey khimii, v. 34, no. 9, 1964, 3025-3028

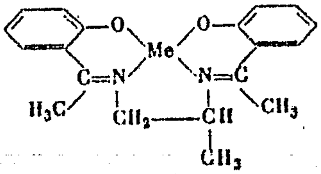
TOPIC TAGS: chelate, optically active ligand, ligand, copper chelate, nickel chelate, cobalt chelate, asymmetrical center, rotational disperson, spectral absorption, Schiff base, substitution

ABSTRACT: The earlier observed lack of influence of substitutions (Cl, Br, NO_2, OCH_3) at the aldehyde component upon optical rotation may be explained by their great distance from the asymmetrical center. In the title compositions these substitutions were brought closer to the center of asymmetry. The o-oxyacetophenone was reacted with laevorotatory propylenediamine to obtain the title product (I) and the chelates (II, III, IV) as in the following schema

Card 1/3

L 15151-65

ACCESSION NR: AP4046178



Me = Cu (II), Ni (III), Co (IV).

and their rotational dispersion and spectral absorption were determined. The rotational dispersion was tested in dimethylformamide. For comparison, the chelates obtained in report I (with salicyl aldehyde) were also tested in the same medium; the solvent did not influence optical rotation significantly. The rotational dispersion curves in the negative range of compound (I) and the earlier prepared Schiff bases did not differ significantly; substitution of the hydrogen of the aldehyde group by CH_3 had no influence on optical rotation. However, those of the chelates were in the positive range, and the curve outline differed considerably. This may be related to the position of CH_3 close to the center. Spectral absorption curves were almost the same as with the earlier compounds. Orig. art. has: 4 figures and 2 formulas.

Card 2/3

5151-65

ACCESSION NR: AP4046178

ASSOCIATION: None

SUBMITTED: 04Jul64 ENCL: 00

SUB CODE: GC, MT NR REF SOV: 003 OTHER: 001

Card 3/3

VIKTOROVA, O. N.

VIKTOROVA, O. N. "On the problem of the effect of essential oils on the living organism," Trudy Sukhum, biol. stantsii Akad. med, nauk SSSR, Vol. I, 1949, p. 279-293.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

VIKTOROVA, O. N.

O. N. Viltorova "Geographical Distribution of Various Types of Wheat Bacteriosis in the Azov Black Sea Krai and Control Measures," Itogi Nauchno-Issledovatel'skih Rabot Vsesoiuznogo Instituta Zashchity Rastenii Za 1935 Goda, 19 6, p. 518-520.
423.92 L54I

SO: Sira Si 90-53, 15 Dec 1953

VIKTOROVA, O. N.

O. N. Viktorova, "Bacteriosisi of Wheat in Rostov Oblast," Doklady Vsesoiuznoi Akademii Sel'skokoziaistvennykh Nauk imeni V. I. Lenina, vol. 4, no. 21-22, 1939, pp; 27-28. 20 Akl

SO: Sira Si 90-53, 15 Dec 1953

VIKTOROVA, O. N.

VIKTOROVA, O. N. and AKSENOVA, A. S. "Bacillar dysentery in macaco monkeys in the Sukhumi nursery", Trudy Sukhum. biol. stantsii Akad. med. nauk SSSR, Vol. I, 1949, p. 258-63, - Bibliog: 8 items.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

VIKTOROVA, O. N.

LINNIKOVA, M. A. AND VIKTOROVA, O. N. "A case of tuberculosis with skin injury in macaco rhesus monkeys", Trudy Sukhum. biol. stantsii Akad. med. nauk SSSR, Vol. I, 1949, p. 239-43.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

VIKTOROVA, O. N.

VIKTOROVA, O. N. and AKSENOVA, A. S. "A study of Schmitz-type bacteria strains excreted by monkeys", Trudy Sukhum. biol. stantsii Akad. med. nauk SSSR, Vol. I, 1949, p. 264-69, - Bibliog: 16 items.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

VIKTOROVA, R. N. and VOVK, A. E. 2

"Measurement of impedance of different material samples at low range of sound frequencies"

report submitted for the 4th Intl. Congress of Acoustics, Copenhagen, Denmark, 21-28 Aug 1962.

Acoustical Inst. of the Acad. of Sci. USSR, Moscow.

VIKTOROVA, S.

Sisters. Sov.shakht. 10 no.3:37 Mr '61. (MIRA 14:7)
(Coal miners)

VIKTOROVA, S.

Miners' children. Mast. ugl. 7 no.3:16-16a Mr '58. (MIRA 11:3)
(Children--Care and hygiene)

16(1), 24(4)

AUTHORS: Viktorova, S.L., and Sveshnikov, A.G. SOV/155-58-2-30/47

TITLE: Transformation of the Wave H_{01} in a Spatially Curved Wave Guide With a Circular Cross Section (Preobrazovaniye volny H_{01} v prostranstvenno izognutom volnovode kruglogo poperechnogo secheniya)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 2, pp 134-136 (USSR)

ABSTRACT: Given a spatially curved wave guide with a circular cross section and ideally conducting walls, the axis of which, on a finite interval, forms a screw line of small curvature and torsion and elsewhere it is rectilinear. The authors investigate the propagation of the wave H_{01} in the curved domain. It is shown that (as in the plane case) also for a small curvature there can be an almost complete transformation of the wave H_{01} into the wave E_{11}. The process depends on the curvature as well as on the torsion. For a prescribed curvature of the screw line the torsion always can be chosen so that a transformation of the wave H_{01}

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Transformation of the Wave H_{01} in a Spatially Curved Wave SOV/155-58-2-30/47
Guide With a Circular Cross Section

into the wave E_{11} can be avoided almost entirely. In the plane special case one obtains the well-known result of M.Gouguet [Ref 1,2]. The solution obtained by the authors is an approximation, based on several simplifying assumptions, and is obtained with the aid of a method of B.Z.Katsenelenbaum [Ref 5].
There are 7 references, 4 of which are Soviet, 2 French, and 1 American.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

SUBMITTED: February 5, 1958

Card 2/2

KHUSID, S.Ye., inzh.; ZARZHITSKIY, Yu.A., inzh.; KULAKOV, A.M., inzh.; KARPOV, A.A., inzh.; KROLENKO, N.A., inzh.; Prinimali uchastiye: ALIMOV, B.V.; LEONT'YEV, A.I.; BOLOBORODOV, N.M.; KARAGANOV, G.G.; GUR'YANOV, V.N.; OSOKIN, G.F.; KAYZER, V.G.; SOROKOLETOV, A.M.; ZLOBIN, V.K.; VIKTOROVA, T.Ye.; SEMENOV, V.A.; VODENNIKOV, V.F.; SANAYEV, I.K.

Operating a four-zone holding furnace on natural gas with automatic control. Stal' 25 no.5:464-468 My '65.

(MIRA 18:6)

KARPOV, A.A., inzh.; KUSTOBAYEV, G.G., inzh.; LAUSHKIN, N.P., inzh.; LANGE, Z.I., inzh.; NOSYREVA, M.D., inzh.; SAVEL'YEV, G.V., inzh.; SHCHULEPNIKOV, I.S., inzh.; Prinimali uchastiye: SYCHKOV, B.A., inzh.; MILIKHIN, A.Ye., inzh.; ZAYTSEV, R.A., inzh.; ZARZHITSKIY, Yu.A., inzh.; LEONT'YEV, A.I., inzh.; VIKTOROVA, T.Ye., inzh.; SERIKOV, A.A., inzh.

Operation of recuperator soaking pits in the 1150 MMK rolling mill. Stal' 22 no.8:753-758 Ag '62. (MIRA 15:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Furnaces, Heating) (Rolling mills)

IL'IN, V.A., red.; KOLBANOVSKIY, V.N., red.; KOL'MAN, E., red.; VIKTOROVA, V., red.; CHEREMNYKH, I., mladshiy red.; MOSKVINA, R., tekhn. red.

[Philosophical problems on cybernetics] Filosofskie voprosy kibernetiki. Moskva, zd-vo sotsial'no-ekon. lit-ry, 1961. 391 p. (MIRA 14:6)

(Cybernetics)

YUGAY, Gerasim Andreyevich; VIKTOROVA, V., red.; RYZHOVA, M., mladshiy red.; CHEPELEVA, O., tekhn. red.

[Problem of the integrity of the organism; a philosophical analysis]Problema tselostnosti organizma; filosofskii analiz. Moskva, Sotsekgiz, 1962. 247 p. (MIRA 16:1)
(BIOLOGY--PHILOSOPHY)

OPARIN, A.I., akademik; STUDITSKIY, A.N., prof.; NAUMOV, N.P., prof.; KOVAL'SKIY, V.V.; YUROVA, I.L., dots.; PLATONOV,G.V., prof.;KAGANOV, V.M.; FURMAN, A.Ye., dots.; MEDVEDEV, N.V., prof.; YAKIMOV, V.P., kand. biol. nauk; ZHUKOV-VEREZHNIKOV, N.N.; BONDARENKO, P.P., prof.; MAYSKIY, I.N., prof.; TRIBULEV, G.P., dots.; TSAREGORODTSEV, G.I., dots.; DOBROKHVALOV, V.P., kand. biol. nauk; YAZDOVSKIY, V.I., prof.; VIKTOROVA, V., red.; CHEREMNYKH, I., mlad. red.; ULANOVA, L., tekhn.red.

[Studies on the dialectic of living nature] Ocherk dialektiki zhivoi prirody. Moskva, Sotsekgiz, 1963. 527 p. (MIRA 16:12)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Koval'skiy).
2. Deystvitel'nyy chlen AMN SSSR (for Zhukov-Verezhnikov).
(Biology--Philosophy)

YEL'MEYEV, Vasiliy Yakovlevich; VIKTOROVA, V., red.; MOSKVINA, R.,
tekhn.red.

[Science and the productive forces of society] Nauka i proizvoditel'nye sily obshchestva. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1959. 110 p. (MIRA 13:2)
(Science)

OMEL'YANOVSKIY, M.E., red.; KUZNETSOV, I.V., red.; VIKTOROVA, V., red.; TARASOVA, A., mlad. red.

[Dialectic in the sciences of inanimate nature; the physical and mathematical sciences] Dialektika v naukakh o nezhivoi prirode; fiziko-matematicheskie nauki. Moskva, Mysl', 1964. 598 p. (MIRA 17:1)

1. Akademiya nauk Ukr.SSR (for Omel'yanovskiy).

EMME, Andrey Makar'yevich; VIKTOROVA, V., redaktor; PIOTROVICH, M.,
tekhnicheskiy redaktor

[Science and religion on the origin of life on earth] Nauka i religiia o proiskhozhdenii zhizni na zemle. Izd. 2-e, perer. Moskva, Gos. izd-vo polit. lit-ry, 1956. 110 p. (MLRA 9:14)
(Life--Origin)

ANDREYEV, I.D., red.; ARKHANGEL'SK, L.M., red.; RUTKEVICH, M.N.,
red.; STEPKOVSKAYA, V.I., red.; ~~VIKTOROVA, V., red.;~~
CHEREMNYKH, I., mladshiy red.; NOGINA, N., tekhn.red.

[Practice as the criterium of scientific truth] Praktika -
kriterii istiny v nauke. Moskva, Izd-vo sotsial'no-ekon.
lit-ry, 1960. 461 p. (MIRA 14:3)
(Science--Philosophy)

PLATONOV, Georgiy Vasil'yevich; VIKTOROVA, V., red.; RYZHOVA, M., mladshiy red.; ULANOVA~~, L., tekhn.red.~~

[Dialectical materialism and some problems of genetics] Dialekticheskii materializm i voprosy genetiki. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1961. 161 p. (MIRA 15:4)
(DIALECTICAL MATERIALISM)
(GENETICS)

VIKTOROVA, V. L.

8 3.

PHASE I BOOK EXPLOITATION SOV/4046

Akademiya meditsinskikh nauk SSSR. Institut gigiyeny truda i profzabolevaniy.

Materialy po toksikologii radioaktivnykh veshchestv. vyp. 2: Radioaktivnyye kobal't, natriy, fosfor, zoloto (Material on the Toxicology of Radioactive Substances. No. 2: Radioactive Cobalt, Sodium, Phosphorus, and Gold). Moscow, Medgiz, 1960. 169 p. Errata slip inserted. 3,000 copies printed.

Eds. (Title page): A. A. Letavet, Member, Akademiya meditsinskikh nauk SSSR, Professor, and E. B. Kurlyandskaya, Doctor of Biology, Professor; Ed. (Inside book): D. I. Zakutinskiy; Tech. Ed.: M. I. Gabe land.

PURPOSE: This collection of articles is intended for persons in radio-biology and radiation hygiene, doctors in public health departments and epidemic control stations, and physicists and others concerned with the determination of permissible limits of radioactive isotope concentration.

COVERAGE: This collection of articles contains material from experimental studies in connection with research on the influence of radioactive cobalt on an organism and on the aftereffects of intratracheal administration of soluble salts of radioactive sodium and insoluble compounds of radioactive

Card 1/5

phosphorus and gold. Data on the exchange of radioactive cobalt and calculations of the tissue dosage in an organism for single and repeated injections are given. Individnal articles treat the effect of radioactive cobalt on the hematogenous system, albumin and carbohydrate exchange, changes in the cardiovascular system, pathomorphological displacement in organs, and stimulation of the process of elimination of radioactive isotopes from organisms. Permissible limits of radioactive cobalt concentration in water, based on exhaustive experiments, are presented. The differences between the effects of soluble and insoluble compounds containing radioactive isotopes (sodium, phosphorus and gold), and the formation of neoplasms in the lungs after intratracheal injections of insoluable compounds of phosphorus and gold are established. The amount of tissue dosage causing blastomeric growth is determined. References accompany all articles but the first.

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Kurlyandskaya, E. B. [Professor, Doctor of Biological Sciences]. Some New Data in the Toxicology of Radioactive Substances 3

Card 2/5

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Avrunina, A. G. Accumulation and Elimination of Co^{60} in Animals, and the Tissue Dosage When it is Taken Daily Through the Mouth 27

Beloborodova, N. L. Change in Hematogenous Processes After Prolonged Administration of Co^{60} Into the Organism 39

Beloborodova, N. L., V. L. Viktorova, and Ye. K. Red'kina. Hematogenesis in the Posterity of Rats After Prolonged Co^{60} Inoculation 53

Grishchenko, Ye. D. Change in the Fractional Composition of Serum Albumins and in the Residual Nitrogen Content in Rabbits After Continuous Administration of Co^{60} 65

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SOV/4046

Material on the Toxicology (Con't)

Vinogradova, N. I., and Ye. D. Grishchenko. Disturbance of Certain Phases of Carbohydrate-Phosphorus Exchange in Rabbits Subjected to Continuous Co^{60} Affection 86

Rubanovskaya, A. A. Change in the Penetrability of the Eye and Skin Vessels of Rabbits After the Continuous Injection of Co^{60} 94

Saytanov, A. O. Electrocardiographic Investigation of Rabbits After Receiving Prolonged, Small Doses of Stable and Radioactive Cobalt 102

Golovshchikova, I. N. Electrocardiogram of Rabbits Under the Continuous Effects of Small Doses of Co^{60} During Functional Tests (Ashner Test, Ammonia Inhalation and Adrenalin Injection) 121

Kaplanskiy, A. S. Morphological Change in the Organism of Rabbits During Continuous Injection of Co^{60} 130

Card 4/5

VIKTOROVA, V.S. (Moscow)

Use of switched rigid feedback in the achievement of invariance in automatic control systems with variable structure. Izv. AN SSSR. Tekh. kib. no.2:157-169 Mr-Ap '65. (MIRA 18:7)

L 63258-65 EWT(d)/EPF(n)-2/EWG(v)/EWP(k)/EWA(h)/EWP(l) Po-4/Pq-4/Pf-4/Pg-4/Pae-2/
Pu-4/Pk-4/Pl-4 IJP(c) WW/BC

ACCESSION NR: AP5012887 UR/0280/65/000/002/0157/0169

64
63
B

AUTHOR: Viktorova, V. S. (Moscow)

TITLE: Using switched direct feedback for creating astatism in variable-structure automatic-control systems

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1965, 157-169

TOPIC TAGS: automatic control, automatic control design, automatic control system, automatic control theory

9

14

ABSTRACT: The direct feedback, although beneficial in many respects (reduced inertial delay, derivative-like effect in the control law, suppressed hunting, higher attenuation of transients), is conducive to the loss of astatism, i.e., to the appearance of a static error which depends on the input variable, plant parameters, and the feedback degree. A second-order system is theoretically explored in which the direct feedback is switched according to a certain logical

Card 1/2

L 63258-65

ACCESSION NR: AP5012887

law (formula 3.17), the controller gain is low, and one integrating unit is used. These advantages are claimed: (1) The system handles and reproduces, without static error, disturbances and actuating signals within a wide class of the continuous functions of time (including transcendent functions), i.e., the system possesses an infinite order of astatism. (2) The system can operate with high speed and has good dynamic characteristics which depend only slightly on the type of input point of its application and plant-parameter variation. "The project has been carried out under the [illegible] V. Yemel'yanov." Orig. art. has 7 figures and 46 formulas.

ASSOCIATION: none

SUBMITTED: 30Mar64 ENCL: SUB CODE: DP, IE

NO REF SOV: 004 OTHER: 000

Card 2/2

ANDREYESHCHEV, Ye.A.; BARONI, Ye.Ye.; VIKTOROVA, V.S.; KOVYRZINA,
K.A.; ROZMAN, I.M.; SHONIYA, V.M.

Chemical transformation during polymerization investigated by means of absorption spectra. Vysokom. soed. 5 no.10:1482-1484 O '63. (MIRA 17:1)

L 37111-66 EWT(1) GD

ACC NR: AT6006215 (A, N) SOURCE CODE: UR/0000/65/000/000/0111/0121

25

B+1

AUTHOR: Viktorova, V. S.

ORG: none

15

TITLE: Design principles for contactless, variable-structure, magnetic-amplifier regulators

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Tekhnicheskaya kibernetika (Technical cybernetics). Moscow, Izd-vo Nauka, 1965, 111-121

TOPIC TAGS: circuit design, control circuit, magnetic amplifier

ABSTRACT: The author analyzes the control law $\xi = \sum_{i=1}^{n} \Psi_i \varphi_i = \sum_{i=1}^{n} [U_i^0 + \Delta U_i \operatorname{sgn}(g\varphi_i)] \varphi_i$, where

$$U_i^0 = \frac{U_i' + U_i''}{2}, \quad \Delta U_i = \frac{U_i' - U_i''}{2},$$

$$\operatorname{sgn}(g\varphi_i) = \begin{cases} +1 \text{ with } g\varphi_i > +0; \\ -1 \text{ with } g\varphi_i \leqslant -0. \end{cases}$$

The analysis shows that in order to realize variable-structure regulators it is necessary to have functional units which make it possible to formulate the switching signal g and the control action. The reliability of regulators can be improved considerably by contactless construction on magnetic amplifiers. The present article investigates the principles of design of circuits of functional units on magnetic amplifiers. The regulator studied has an infinite order of

Card 1/2

L 37111-66

ACC NR: AT6006215

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astaticism, high response-action despite the use of magnetic amplifiers, and high reliability. The dynamic properties of the circuit are only slightly dependent on the variations in the parameters of the controlled plant. It is noted in conclusion that the block-unit principle of constructing variable-structure regulators simplifies their designing, raises the technologic standards in their manufacture, and provides convenience in adjustment and operation. Orig. art. has: 18 formulas and 4 figures.

SUB CODE: 09/ SUBM DATE: 05Nov65/ ORIG REF: 008

ns

Card 2/2

VIKTOROVA, V. I.

EXCERPTA MEDICA Sec.12 Vol.12/4 Ophthalmology April 58

696. THE TREATMENT OF PATIENTS WITH OCULAR TUBERCULOSIS BY PHTHIVAZID (Russian text) - Victorova V. T. - VESTN.OFTAL. 1956, 4 (21-25)

The new antituberculous preparation phthivazid (Soviet isoniazid) was administer- for the treatment of 24 patients with metastatic ocular tb. Fourteen patients were treated exclusively with phthivazid; the remainder had streptomycin as well; this was added to the treatment of cases either where phthivazid proved to be ineffectual, or where the retrogression of the morbid process was halted. Phthivazid dosage was 0.5-1.0 g. per 24 hr., the total amount for one course being 30-80 g. Eighteen patients out of 26 had fresh lesions with considerable dulling and vascularization of the cornea, and exudates and haemorrhages in the fundi. Eight patients showed in addition old, far advanced lesions (massive established turbidity of the vitreous, degenerative and choroidoretinal foci) as well as fresh lesions. All the patients had previously received streptomycin and PAS. As to the result, a good effect was obtained with phthivazid treatment in 18 patients, a satisfactory effect in 3, and an unsatisfactory effect in 3. The most striking effect was obtained in patients with recent lesions of the anterior part of the eye. The influence of phthivazid on the general condition of the patient was most favourable: sleep improved, appetite increased, the differential white blood count became normal, and the intradermal Mantoux reaction became stronger. Phthivazid is well tolerated by the patients and is readily absorbed when taken orally. Side-effects of polyneuritic character were noted only in 2 patients. A temporary discontinuance eliminated the side-effects. (S)

FROLOV, Ivan Timofeyevich; VIKTOROVA, V.Ye., red.; KOBYAKOV, G.G., ml. red.

[Methodology of biological research in outline; the system of biological methods] Ocherki metodologii biologicheskogo issledovaniia; sistema metodov biologii. Moskva, Mysl', 1965. 285 p. (MIRA 18:7)

1. VIKTOROVA, YE.

2. USSR 600

4. Peace - Congresses

7. The forces of peace are invincible, Rabotnitsa, 30, No. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

VIKTOROVA, YE. A.

"Synthesis and Contact Isomerization of Acetylene Hydrocarbons." Thesis for degree of Cand. Chemical Sci. Sub 5 Oct 49, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec 1949

S/062/60/000/008/027/033/XX
B013/B055

AUTHORS: ~~Viktorova, Ye. A.~~, Shuykin, N. I., and Korosteleva, G. S.

TITLE: Catalytic Synthesis of 2,4-Di-tert-amyl Phenol

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, No. 8, p. 1510

TEXT: This is a brief communication on the catalytic synthesis of 2,4-di-tert-amyl phenol. The latter was synthesized by alkylating phenol with trimethyl ethylene in the presence of a KU-1 cationite, a sulfonated phenol-formaldehyde resin. The yield of pure 2,4-di-tert-amyl phenol was 30% of the theory. 2,4-di-tert-amyl phenol was then transformed to the corresponding phenoxy acetic acid derivative. This was then precipitated with hydrochloric acid and recrystallized from 20% alcohol. The yield was 30 to 35%. Amyl phenols, including 2,4-di-tert-amyl phenol, was used as antioxidants and as intermediates for the synthesis of insecticides and herbicides. There is 1 non-Soviet reference.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

Card 1/2

Catalytic Synthesis of 2,4-Di-tert-amyl Phenol

S/062/60/000/008/027/033/XX
B013/B055

SUBMITTED: January 11, 1960

✓

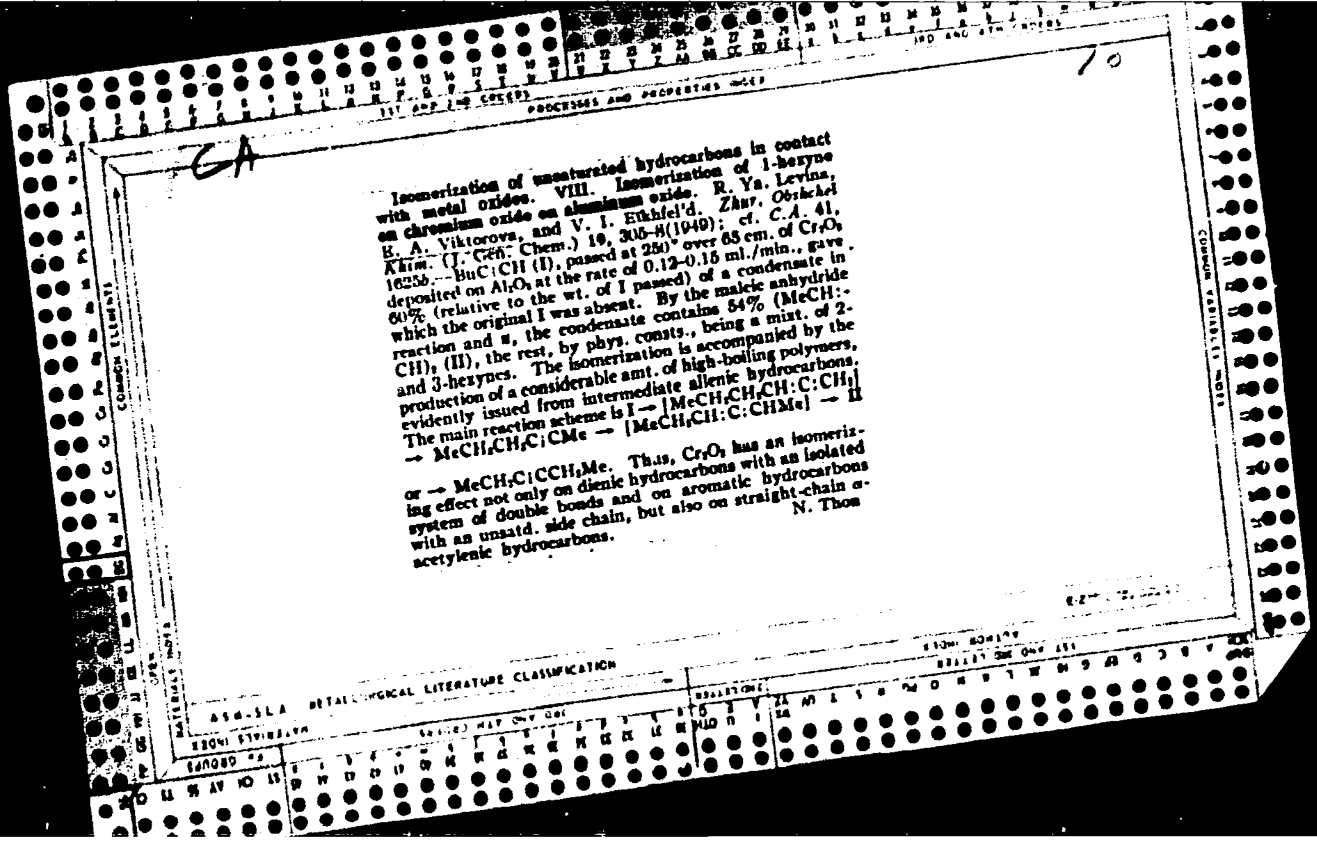
Card 2/2

SHUYKIN, N.I.; VIKTOROVA, Ye.A.

Catalytic synthesis of alkylphenols. Usp. khim. 29 no.10:1229-1259 O '60. (MIRA 13:10)

1. Khimcheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

(Phenols)



10
1ST AND 2ND ORDERS
PROCESSES AND PROPERTIES INDEX
COMMON ELEMENTS
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

Isomerization of unsaturated hydrocarbons in contact with metal oxides. VIII. Isomerization of 1-hexyne on chromium oxide on aluminum oxide. R. Ya. Levina, K. A. Viktorova, and V. I. Eikhfel'd. *Zhur. Obshchei Khim.* (J. Gen. Chem.) 19, 305-8(1949); cf. *C.A.* 41, 1625b.—BuC:CH (I), passed at 250° over 65 cm. of Cr_2O_3 deposited on Al_2O_3 at the rate of 0.12-0.15 ml./min., gave 60% (relative to the wt. of I passed) of a condensate in which the original I was absent. By the maleic anhydride reaction and *n*, the condensate contains 54% $(MeCH:CH)_2$ (II), the rest, by phys. consts., being a mixt. of 2- and 3-hexynes. The isomerization is accompanied by the production of a considerable amt. of high-boiling polymers, evidently issued from intermediate allenic hydrocarbons. The main reaction scheme is I → $[MeCH_2CH_2CH:C:CH_2]$ → $[MeCH_2CH:C:CHMe]$ → II → $MeCH_2CH_2C:CMe$ → or → $MeCH_2C:CCH_2Me$. Thus, Cr_2O_3 has an isomerizing effect not only on dienic hydrocarbons with an isolated system of double bonds and on aromatic hydrocarbons with an unsatd. side chain, but also on straight-chain α-acetylenic hydrocarbons. N. Thon

CA

18

Isomerization of unsaturated hydrocarbons on contact with metal oxides IX. Isomerization of acetylenic hydrocarbons over chromium oxide on aluminum oxide. R. Ya. Levina and E. A. Viktorova (State Univ., Moscow). *Zhur. Obshchei Khim.* (J. Gen. Chem.) 20, 677-83 (1950); cf. C.A. 44, 5794i. Addn. of 30 g. PrC:CH to 30 g. NaNH$_2$ under abs. Et$_2$O, refluxing 2 hrs., and treatment with 90 g. Me$_2$SO$_4$ gave after 2 hrs.' refluxing 60% *PrC:CMe*, b$_{750}$ 84.5°, n_D^{20} 1.4139, d_4^{20} 0.7401. This (20.5 g.) passed over Cr oxide on Al oxide at 0.12-0.16 ml./min. in N at 250° gave 65% distillate, b. 79-84°, whose *n* was rather higher than expected for the formation of (EtC:)$_2$, but reasonable for an admixt. of a conjugated diene (2,4-hexadiene); heating the crude material with *maleic anhydride* gave the *adduct*, m. 93-3.5°, identical with that of *2,4-hexadiene*; the n_D^{20} 1.4380 of the catalyzate indicates 67% diene content; the portion of the product which failed to condense with maleic anhydride, b. 80-2°, n_D^{20} 1.4170, d_4^{20} 0.7281, was identified as *(EtC:)*$_2$, as a result of oxidation to EtCO$_2$H only (98% HNO$_3$-HgNO$_3$ oxidant). Thus, total isomerization took place, giving a 2:1 ratio of isomers. *1-Pentyne* (prepd. in 36% yield from EtMgBr and allyl chloride, followed by bromination to *1,2-dibromopentane*, b$_{20}$ 58-60°, n_D^{20} 1.5088, d_4^{20} 1.6708, and debromination by NaNH$_2$ in kerosene at 160-70°), b$_{750}$ 39.7°, n_D^{20} 1.3859, d_4^{20} 0.6911, isomerized under identical conditions also gave complete destruction of the 1-isomer, with 73% distillate, of which 58% was *piperylene* (identified as the *maleic anhydride adduct*, m. 59°), the remainder being *2-pentyne*, b$_{755}$ 55-5.5°, n_D^{20} 1.4043, d_4^{20} 0.7139. *EtCHBrCH$_2$Br* (b$_{10}$ 60-2°, n_D^{20} 1.5128, d_4^{20} 1.7030) with NaNH$_2$ in kerosene at 150-60°, followed by treatment of the 1-butyne with NaNH$_2$ in Et$_2$O with Me$_2$SO$_4$, gave 40% *2-pentyne*, b$_{755}$ 55.5-6.5°, n_D^{20} 1.4025, d_4^{20} 0.7101; this, passed over the catalyst under identical conditions, gave 60% catalyzate, contg. 58% *piperylene* (by *n* detn.), confirmed by the maleic anhydride reaction, the rest being unchanged pentyne. G. M. K.

VIKTOROVA, E. A.

R. Ya. Levina, V. R. Skvarchenko, E. A. Viktorova, V. M. Tateskii, and E. G. Treshchova, "Synthesis of hydrocarbons. XI. Partial reduction of diene hydrocarbons with a conjugated system of double bonds by sodium in liquid ammonia." (p. 690)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 4.

10

CA

Contact isomerization of an acetylenic hydrocarbon with the triple bond in central position. R. Ya. Levina, E. A. Viktorova, and P. A. Akishin. *Doklady Akad. Nauk S.S.S.R.* 71, 1005-7(1950).—By Raman spectra, the catalyzate obtained at 250° with $(:CCH_2Me)_2$ (I) on Cr_2O_3 on Al_2O_3, consists of approx. 49% unchanged I, 33% $(CH:CHMe)_2$, and, apparently, 17-18% $CH_2:CH\cdot CH:CHCH_2Me$. 2- and 1-Hexyne are absent; consequently, there is no isomerization with a mere shift of the triple bond. This would indicate that, in analogy with the butynes and pentynes, the 3-hexyne with the triple bond in central position has the least free energy of the 3 hexynes. N. Thon

c a
1951

Synthesis of hydrocarbons. XV. Synthesis of 3-alkynes. R. Ya. Levina, E. A. Viktorova, and B. B. Berezina (M. V. Lomonosov State Univ., Moscow). *Zhur. Obshchei Khim.* (J. Gen. Chem.) 21, 240-2(1951); cf. C.A. 45, 3319i, 4637b, 6154c, 7513e.—The necessary RC:CH were obtained from the 1,2-dibromides by heating in kerosene with $NaNH_2$ to 170°. *1-Pentyne*, b_{760} 39.5-40.0°, n_D^{20} 1.3850, d_4^{20} 0.6931; *1-hexyne*, b_{760} 71-2°, n_D^{20} 1.3993, d_4^{20} 0.7140; *1-heptyne*, b_{760} 98-9°, n_D^{20} 1.4105, d_4^{20} 0.7354. The 1-alkynes were slowly added at reflux temp. to 30% excess $NaNH_2$ in dry Et_2O, the mixt. refluxed 2-3 hrs., 10% excess Et_2SO_4 added, and refluxing continued 18-24 hrs.; after treatment with H_2O, boiling the Et_2O soln. with 10% NaOH to remove unreacted Et_2SO_4, drying, and fractionation through a 16-plate column to separate 15-25% unreacted 1-alkynes, the following were obtained: *3-hexyne* (50%), b_{760} 80-80.5°, n_D^{20} 1.4132, d_4^{20} 0.7230; *3-heptyne*, (26%), b_{760} 105.5-6.0°, n_D^{20} 1.4220, d_4^{20} 0.7527; *3-octyne* (41%), b_{760} 132-2.5°, n_D^{20} 1.4269, d_4^{20} 0.7542; and *3-nonyne*, 31%, b_{760} 155-5.5°, n_D^{20} 1.4303, d_4^{20} 0.7637. G. M. Kosolapoff

LEVINA, R.Ya.; VIKTOROVA, Ye.A.

Methods of synthesis of acetylenic hydrocarbons (alkynes and alkadiynes). (MLRA 5:5)
Uspekhi Khim. 21, 280-312 '52.
(CA 48 no.21545 '54)

VIKTOROVA, E.A.

Combination scattering spectra of hydrocarbons of various classes. III. Combination scattering spectra of several alkadienes with a system of isolated or conjugated double bonds. E. G. Treshchova, V. M. Tatevskii, R. Ya. Levina, A. A. Fainzil'berg, and E. A. Viktorova (M. V. Lomonosov State Univ., Moscow). *Zhur. Fiz. Khim.* 26, 1266-71(1952); cf. *C.A.* 43, 7345c(1949).—Raman spectra have been studied of 2-methyl-1,4-pentadiene (I), 2-methyl-2,4-pentadiene (II), 2,3-dimethyl-1,3-butadiene (III), 2,4-pentadiene (IV), 2,4-octadiene (V), and 2,4-hexadiene (VI). The b.p., n_D^{20}, and d_4^{20} in that order are for I, 56.5°, 1.4053, 0.6932; II, 76.3°, 1.4520, 0.7200; III, 68.6°, 1.4390, 0.7262; IV, 105°, 1.4477, 0.7323; V, 132°, 1.4580, 0.7439. Wave nos. and corresponding intensities for I-V are tabulated between 240 and 3131 cm.$^{-1}$ The characteristic lines of II and III are 1630 and 1654 cm.$^{-1}$, resp., with intensities of 678 and 1060 units, resp. IV has 2 characteristic lines at 1654 and 1653 cm.$^{-1}$ with intensities of 1200 and 1050 units, resp. It is concluded that in the 1600-1680-cm.$^{-1}$ region alkadienes with isolated double bonds have either 2 lines or a single line, the total intensity being about twice that of the corresponding alkene line. The characteristic lines in the 1600-1680-cm.$^{-1}$ region of alkadienes with conjugated double bonds are stronger than those of alkenes. IV, V, and VI have spectra almost identical in wave nos. and rather similar in relative line intensities.

J. W. L., Jr.

11/29/54

VIKTOROVA, YE. A

Raman spectra of acetylenic hydrocarbons. P. A. Akishin, L. G. Maisova, E. A. Viktorova, and R. Ya. Levina. *Vestnik Moskov. Univ.* 8, No. 5, *Ser. Fiz.-Mat. i Estestven. Nauk* No. 3, 59–64(1953).—The following lines exhibited constant intensities in different alkynes: 530 and 1300 cm.$^{-1}$ in the spectra of 1-heptyne (I), 2-heptyne (II), 1-octyne (III), 2-octyne (IV), and 3-octyne (V) with 10 and 30 intensity units, resp.; 630 cm.$^{-1}$ (C:CH) and 2118 cm.$^{-1}$ (C:C) in I and III with 20 and 250 units, resp.; 1380 cm.$^{-1}$ (C.CCH$_2$) and 2640 cm.$^{-1}$ for CH$_2$ attached to C:CC in II and IV with 70 and 470 units, resp.; the doublet at 2232–2294 cm.$^{-1}$ for C:C in II, IV, and V showed a constancy in the sum (270 units) of the intensities of both lines. The intensities were measured photometrically. C. Meguerian

Lab. Org. Chem. im N. D. Zelinskiy

and Lab. Molecular Spectroscopy

VIKTOROVA, YE. A.

USSR/Chemistry - Organic

FD-1607

Card 1/1 : Pub. 129-10/23

Author : Livina, R. Ya.; Viktorova, Ye. A.; and Akishin, P. A.

Title : Catalytic isomerization of unsaturated hydrocarbons. XX. Isomerization of octyne-1 over chromic oxide on aluminum oxide catalyst

Periodical : Vest. Mosk. un. Ser. Fizikomat. i yest. nauk, 9, No 8, 71-74, Dec 1954

Abstract : Studied the catalytic isomerization of octyne-1 by heating it to 250 degrees over chromic oxide suspended on aluminum oxide. The triple bond was found to migrate from the alpha to the beta position in the chain, and also to disproportionate into two conjugated double bonds forming octadiene-2-4. Traces of the 1,3-diene may also have been present. Prolonged treatment with the catalyst isomerizes the octyne-2 that is first formed into octadiene-2,4. Equations, two tables. Ten references (seven USSR).

Institution : Chairs of Organic Chemistry and Physical Chemistry

Submitted : May 18, 1954

VIKTOROVA F A

VIKTOROVA, Ye.A.

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; ERIVANSKAYA, L.A.; AN, V.V.

Synthesis of 1,2,4-xylenol and mesitol. Vest.Mosk.un.Ser.mat., mekh., astron., fiz., khim. 12 no.3:141-143 '57. (MIRA 11:3)

1.Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta.
(Xylenol) (Mesitol)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; LITVINOV, V.P.

Contact catalytic conversions of phenols. Part 3: Alkylation of m-cresol by amylenes. Vest. Mosk. un. Ser. mat., mekh., astron., fiz. khim. 12 no.5:121-124 '57. (MIRA 11:9)

1.Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta.
(Alkylation) (Cresol)

5(3)

SOV/55-58-2-30/35

AUTHORS: Shuykin, N.I., Viktorova, Ye.A. and Machel', G.

TITLE: Hydrogenolysis of α-Methyl-α'-Ethyltetrahydrofurans With a Nickel Aluminium Skeleton Catalyzer (Gidrogenoliz α-metil-α'-etiltetragidrofurana na skeletnom nikel'-alyuminiyevom katalizatore)

PERIODICAL: Vestnik Moskovskogo Universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1958, Nr 2, pp 217-222 (USSR)

ABSTRACT: The paper starts from the former investigations of N.I. Shuykin [Ref 2,3] as well as of A.A. Ponomarev and V.V. Zelenkova [Ref 1]. The authors investigate the destructive hydrogenation of α-methyl-α'-ethylfurans and of its tetrahydroderivative in presence of a nickel aluminum skeleton catalyzer. Under 120° and 200° there takes place a hydrogenolysis of 42% and 75% respectively. By this example and some further ones it is shown that the tetrohydrofuran cycle is more stable than the furan cycle. The primary products of the hydro-genolysis are secondary beptylalcohols and probably hexanol - 3 too.

There are 2 tables, 1 figure, and 9 references, 6 of which

Card 1/2

Hydrogenolysis of α-Methyl- α'-Ethyltetrahydrofurans SOV/55-58-2-30/35
With a Nickel Aluminum Skeleton Catalyzer

are Soviet, 1 is German, 1 English, and 1 French.

ASSOCIATION: Kafedra khimii nefti (Chair of Petroleum Chemistry)

SUBMITTED: June 5, 1957

Card 2/2

5(2),5(3)

AUTHORS: Viktorova, Ye.A., Shuykin, N.I., Kirilenko, L.A., SOV/55-58-4-30/31
and Korosteleva, G.S.

TITLE: Contact-Catalytic Change of the Phenoles. IV. Alkylation of n-Cresol by Isoamylenes (Kontaktno-kataliticheskiye prevrashcheniya fenolov. IV. Alkilirovaniye n-krezola izoamilenami)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1958, Nr 4, pp 231-234 (USSR)

ABSTRACT: The authors investigate the alkylation of n-cresol by 2-methylbutene-2, 2-methylbutene-1, and 2-methylbutene-3 in presence of zinc chloride. The alkylation took place in the autoclave at 150° and 2-3 atmospheres pressure. In all cases the authors obtained 4-methyl-2-tetriary-amylphenol; the corresponding isoamyl esters of the n-cresol did not appear.
There is 1 table, and 5 references, 2 of which are Soviet, and 3 American.

ASSOCIATION: Kafedra khimii nefti (Chair of Petroleum Chemistry)

SUBMITTED: October 2, 1957

Card 1/1

5(3)

AUTHORS: Shuykin, N.I., Viktorova~~, Ye.A.,~~ SOV/55-58-5-21/34
Karakhanov, R.A.

TITLE: Synthesis of Tetrahydrofurylcyclopentylmethane (Sintez tetragidrofuriltsiklopentilmetana)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1958, Nr 5, pp 133 - 134 (USSR)

ABSTRACT: According to a method of the author deviating from the method of M.M. Katsnel'son and M.S. Kondakova [Ref 1] at first furylcyclopentylcarbinol was obtained. After dehydration over aluminum oxide under 350° - 375° furfuralcyclopentane was obtained. After hydration under 125° - 130° in presence of a nickel catalyzer and subsequent rectification the authors attained tetrahydrofurylcyclopenthylmethane.
There is 1 Soviet reference.

ASSOCIATION: Kafedra khimii nefti (Chair of Petroleum Chemistry)
SUBMITTED: October 2, 1957

Card 1/1

LEVINA, R.Ya.; VIKTOROVA, Ye.A.

Methods for the synthesis of acetylene hydrocarbons. Reakts.
org.soed. 7:7-132 '58. (MIRA 12:5)
(Hydrocarbons)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KIRILENKO, L.A.; KOROSTELEVA, G.S.

Contact catalytic conversions of phenols. Part 4: Alkylation of p-cresol with isoamylenes. Vest.Mosk.un.Ser.mat.,mekh.,astron.,fiz., khim. 13 no.4:231-233 '58. (MIRA 12:4)

1. Kafedra khimii nefti Moskovskogo universiteta.
(Cresol) (Alkylation) (Butene)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; KARAKHANOV, R.A.

Synthesis of tetrahydrofurylcyclopentylmethane. Vest.Mosk.un. Ser. mat.mekh.,astron.,fiz.,khim. 13 no.5:133-134 '58. (MIRA 12:4)

1. Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta. (Methane)

SOV/74-27-2-2/5

AUTHORS: Levina, R. Ya., Viktorova, Ye. A. (Moscow)

TITLE: Progress in Synthesis of Dienes With an Accumulated Double Bond (Allenes) (Uspekhi sinteza diyenovykh uglevodorodov s kumulirovannoy sistemoy dvoynykh svyazey (allenov))

PERIODICAL: Uspekhi Khimii, 1958, Vol. 27, Nr 2, pp. 162 - 178 (USSR)

ABSTRACT: In this article a survey of publications is given on diene syntheses according to different methods. Corresponding to the methods the papers have been arranged into several chapters:

1) The dehalogenation of saturated and unsaturated halides
2) The splitting off of hydrogen halide from saturated and unsaturated halides
3) The dehydration of unsaturated alcohols
4) The reduction of halides, which contain a triple bond or two double bonds.
5) The reaction between magnesium-organic compounds and halides, which contain a triple bond or two double bonds.

Card 1/2

Progress in Synthesis of Dienes With an Accumulated Double Bond (Allenes) SOV/74-27-2-2/5

Whilst in former times the splitting off of halide or hydrogen halide from halides of different structure were the most important methods for obtaining allenes, recently the following new reactions have become important: The reduction of propargyl halides for obtaining alkyl allenes; the arylation of propargyl halides with arylmagnesium bromides and the dehydration of arylated unsaturated alcohols for obtaining aryl allenes. There are 123 references, 55 of which are Soviet.

Card 2/2

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KARAKHANOV, E.A.

Alkylation of p-cresol by 3-phenyl-1-propen-3-ol. Izv. AN SSSR
Ser. khim. no.12:2216-2217 D '64 (MIRA 18:1)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KARAKHANOV, E.A.

Catalytic alkylation of p-cresols with dipropenyl. Izv. AN SSSR. Ser. khim. no.12:2226-2227 D '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KARAKHANOV, E.A.;

Alkylation of phenols by bifunctional compounds. Report No.9: Alkylation of m- and p-cresols by conjugated diene hydrocarbons in the presence of ethylsulfuric acid. Izv. AN SSSR. Ser.khim. no.7:1281-1284 Jl '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Alkylation) (Hydrocarbons)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; POPOVA, S.Ye.

Alkylation of phenols by bifunctional compounds. Report No.8: Catalytic alkylation of m- and p-cresols by 1,3-propanediols. Izv. AN SSSR. Ser.khim. no.7:1277-1280 Jl '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Propanediol)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KARAKHANOV, E.A.

Contact-catalytic transformations of phenols. Report No.8: Alkylation of m-cresol by butadiene. Izv.AN SSSR.Otd.khim.nauk no.6:1080-1082 '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Alkylation) (Butadiene)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KOROSTELEVA, G.S.

Catalytic synthesis of 2,4-di-tert.amylphenol. Izv.AN SSSR Otd. khim.nauk no.8:1510 Ag '60. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Phenol)

41636

S/080/62/035/009/010/014
D204/D307

11.0170

AUTHORS: Dorogochinskiy, A.Z., Viktorova, Ye.A., Shuykin, N.I., Boykova, Ye.P., and Malin, A.G.

TITLE: The effect of cycloalkenyl phenols on the stability of a fuel containing unsaturated hydrocarbons

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 9, 1962, 2060 - 2064

TEXT: The stabilizing effects of: A) 3-methyl-4-(cyclopenten-2-yl); B) 3-methyl-6-(cyclopenten-2-yl); C) 4-methyl-2-(cyclopenten-2-yl); D) 2-(cyclohexen-2-yl); and E) 4-(cyclohexen-2-yl)-phenols were investigated, on a fuel containing $\sim$15 % of unsaturated hydrocarbons, over a period of 5 months, at 50 ± 0.5°C. Five samples of fuel were tested with the above additives (50 mg per 100 ml fuel), two additional samples were respectively treated with 10 g/100 ml of p-hydroxydiphenylamine and 50 mg/100 ml of inhibitor ФЧ-16 (FCh-16), and one sample was kept as a blank. Each sample also contained steel wire (with a surface area of 20 cm^2 per liter of fuel) and was open to air via a capillary. Every month the samples were tested for tar

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S/080/62/035/009/010/014
The effect of cycloalkenyl ... D204/D307

content and stability to heat (1 hour at 150°C). It was found that B and C inhibited tar formation, similarly to antioxidants p-hydroxydiphenylamine and FCh-16. The formation of sediments at 150°C was impeded by B and D. The additive B thus exhibits a twofold action. There are 3 tables.

SUBMITTED: May 30, 1961

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SALIMOV, M.A.; VIKTOROVA, Ye.A.; ERIVANSKAYA, L.A.; SHUYKIN, N.I.

Infrared spectra of alkylphenols and their simple ethers. Azerb.
khim.zhur. no.6:99-105 '60. (MIRA 14:8)
(Phenol—Spectra)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; POKROVSKAYA, I.Ye.; ALEKSANDROVA, S.L.

Alkylation of o-, m- , and p-cresols by 1,4-dichlorobutane.
Neftekhimiia 1 no.5:648-452 S-O '61. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova, kafedra khimii nefti.

(Cresol)(Butane)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; POKROVSKAYA, I.Ye.; KARAKHANOV, E.A.

Alkylation of phenols by compounds having two functions. Report No.6: Catalytic alkylation of ρ-cresol by 1,4-butanediol and tetrahydrofuran. Izv. AN SSSR Otd.khim.nauk no.1:122-124 Ja '62. (MIRA 15:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Butanediol) (Furan)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KOROSTELEVA, G.S.; BARANOVA, N.G.

Alkylation of anisole and phenetole with isoamylenes. Izv. AN SSSR. Otd.khim.nauk no.8:1518-1519 Ag '61. (MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Anisole) (Phenetole) (Butene)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; LI SHI [Li Shih]; KARAKHANOV, E.A.

Conversions of n.butylphenols on dehydrocyclization catalysts.
Izv.AN SSSR.Otd.khim.nauk no.11:2054-2058 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Phenol) (Catalysis)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; POKROVSKAYA, I.Ye.; MALYSHEVA, T.G.

Alkylation of phenols by the compounds having mixed functions.
Report No.2: Alkenylation of o- and p-cresols with allyl alcohol.
Izv. AN SSSR. Otd.khim.nauk no.9:1660-1665 S '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Allyl alcohol)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; POKROVSKAYA, I.Ye.

Alkylation of phenols by compounds having two functions. Report No.5: Catalytic alkylation of m- and p-cresols by 1,3-butanediol. Izv. AN SSSR Otd.khim.nauk no.12:2192-2195 D '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Butanediol)

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; BUBNOVA, B.G.

Alkenylation of p- and o-cresols with piperylene. Izv. AN SSSR. Otd.khim.nauk no.9:1657-1660 S '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Piperylene)

S/081/62/000/003/066/090
B151/B144

AUTHORS: Salimov, M. A., Viktorova, Ye. A., Shuykin, N. I.

TITLE: Infrared spectra of alkyl phenols and their simple esters. Communication 2. Infrared spectra of amyl cresols

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 24, abstract 3B140 (Azerb. khim. zh., no. 2, 1961, 87 - 94)

TEXT: The IR spectra (400 - 4000 cm^{-1}) of a series of alkyl phenols are studied (b.p. n^{20}_D and d_4^{20} are given): 3-methyl-6-tert-amyl 250 - 252°/739 mm, 1.5192, 0.9632; 3-methyl-4-sec-amyl 268 - 270°C/739 mm, 1.5160, 0.9614; 3-methyl-6-sec-amyl 92 - 93°C/2 mm, 1.5180, 0.9595; 4-methyl-2-tert-amyl 123 - 123.5°C/9 mm, -, -, m.p. 26.5 - 27°C; 4-methyl-2-sec-amyl 129 - 129.5°C/7 mm, -, -, m.p. 56.5 - 57°C; 4-methyl-2-sec-($2^1 2^2$-dimetapropyl) 117 - 118°C/6 mm, -, -, m.p. 41.5 - 42.5°C; o-cyclopentyl phenols 118.5 - 119.5°C/5 mm, -, -, m.p. 37 - 38°C. The spectra in the solid state (liquid petrolatum) and in solution in CHCl$_3$ differ in that there is apparently some association in the solid state. The frequency behavior is discussed. [Abstracter's note: Complete translation.]

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SHUYKIN, N.I.; VIKTOROVA, Ye.A.; POKROVSKAYA, I.Ye.; MALYSHEVA, T.G.

Alkylation of phenols by compounds with mixed functions.
Report No.3: Alkenylation of m- and p- cresols by 1-butene-4-ol.
Izv.AN SSSR.Otd.khim.nauk no.10:1847-1851 O '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Butenol)

SHUYKIN, N.I.; VIKTOROVA, Ye.A.; POKROVSKAYA, I.Ye.; MALYSHEVA, T.G.

Alkylation of phenols by compounds with mixed functions.
Report No.4: Alkenylation of m- and p-cresols by 1-pentene-5-ol.
Izv.AN SSSR.Otd.khim.nauk no.10:1851-1855 O '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Cresol) (Pentenol)

S/081/61/000/019/037/085
B110/B101

AUTHORS: Shuykin, N. I., Viktorova, Ye. A.

TITLE: Contact catalytic transformation of cresols

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 157 - 158, abstract 19Zh93 (Sb. "Novyye metody ratsional'n. ispol'zovaniya mestn. topliv. Riga, AN LatvSSR, 1959, 265 - 276)

TEXT: A study has been made of the selective catalytic hydrogenation (in a continuous laboratory apparatus) and alkylation with pentenes of ortho-, meta-, and para-cresols (Ia-c). The following data are given: initial I, hydrogenation temperature in °C, %Ni in the nickel/aluminum oxide catalyst, yields of $C_6H_5CH_3$ (II), methyl cyclohexane (III), p-$CH_3C_6H_{10}OH$, and p-methyl cyclohexanone in %: Ia, 175, 20, 1.6, 71, -, -; Ic, 175, 20, traces, 43.33, -; Ib, 175, 20, 2, 34, 44, -; Ib, 125, 10, -,-, 85.7, 2; Ib, 175, 10, 11, 41, 27, 3.5; Ib, 200, 10, 14, 25, -, -; Ic, 175, 20, 2, 34, 44, -; Ic, 175, 10, 20, 52, 11, -; Ic, 175, 4, 5, 27.7, 54, -. 1,3,4-xylenols were hydrogenated on a 20% nickel/aluminum

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